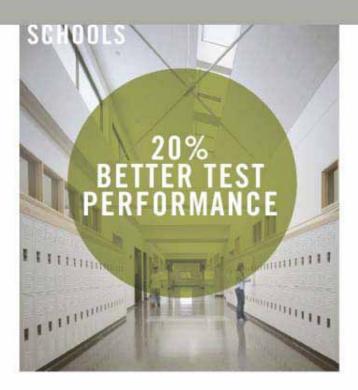


Rick Fedrizzi

President, CEO and Founding Chairman





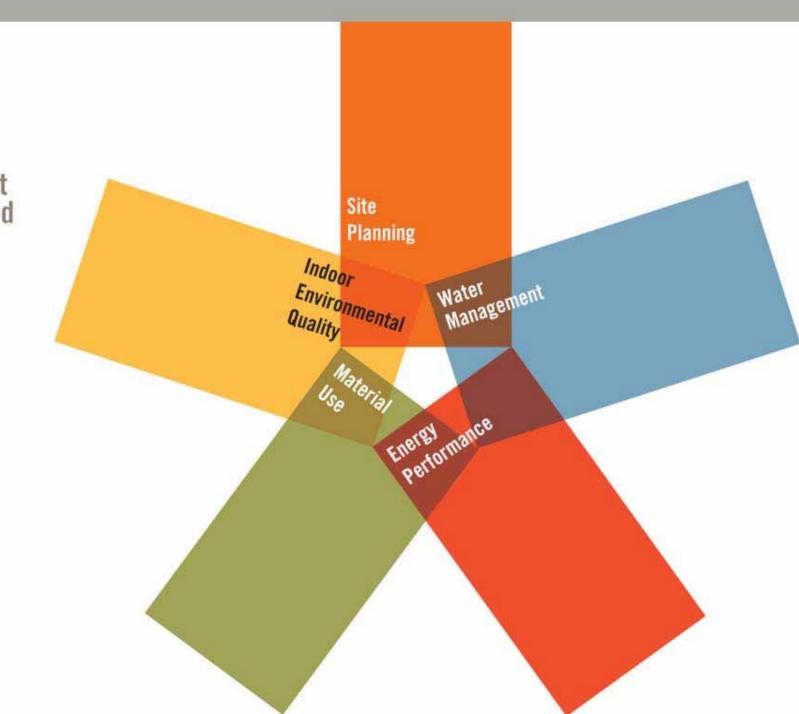
OVERVIEW RATIONALE



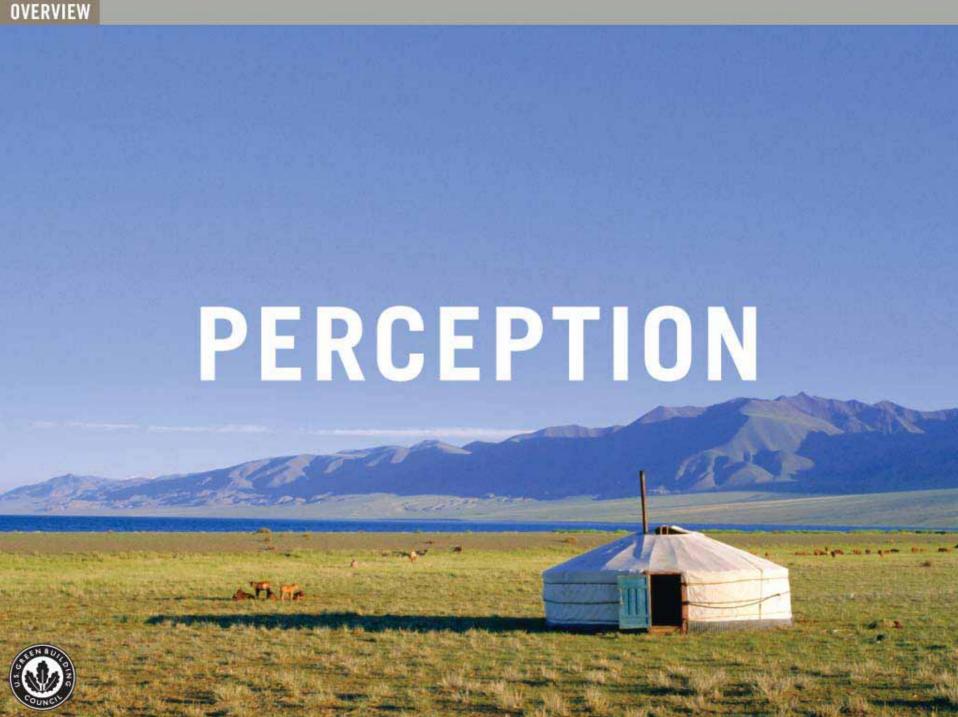


What is Green Building? Design an

Design and construction practices that meet specified standards, resolving much of the negative impact of buildings on their occupants and on the environment.





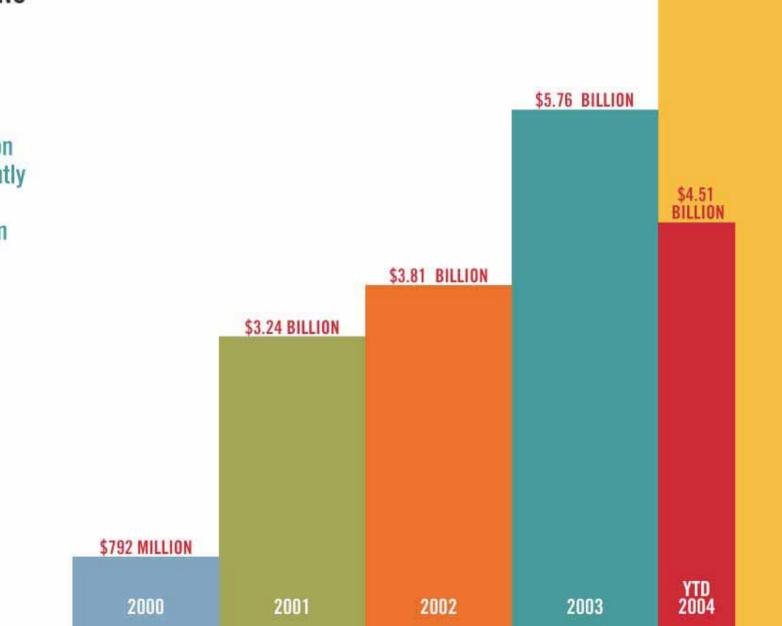






Estimated value of new LEED-NC registered projects.

The value of U.S. construction starts significantly declined by almost half from 2000 to 2003.



\$7.73 BILLION PROJECTED



OVERVIEW

Increase in LEED Projects in four years.

2005:

More than 332 million square feet.

2003:

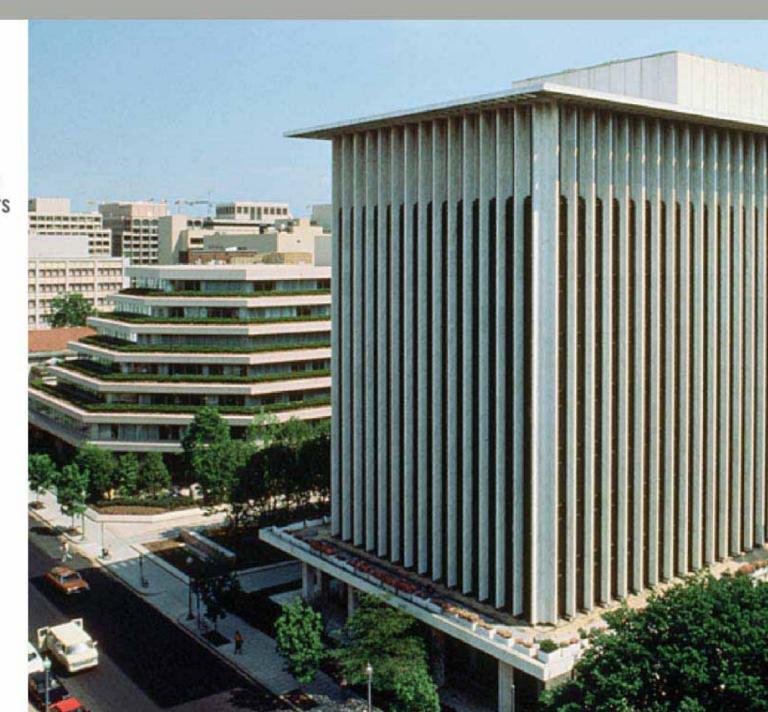
More than 141 million square feet. More than 180 million square feet.

2002:

More than 80 million square feet.

Case Study National Geographic Society

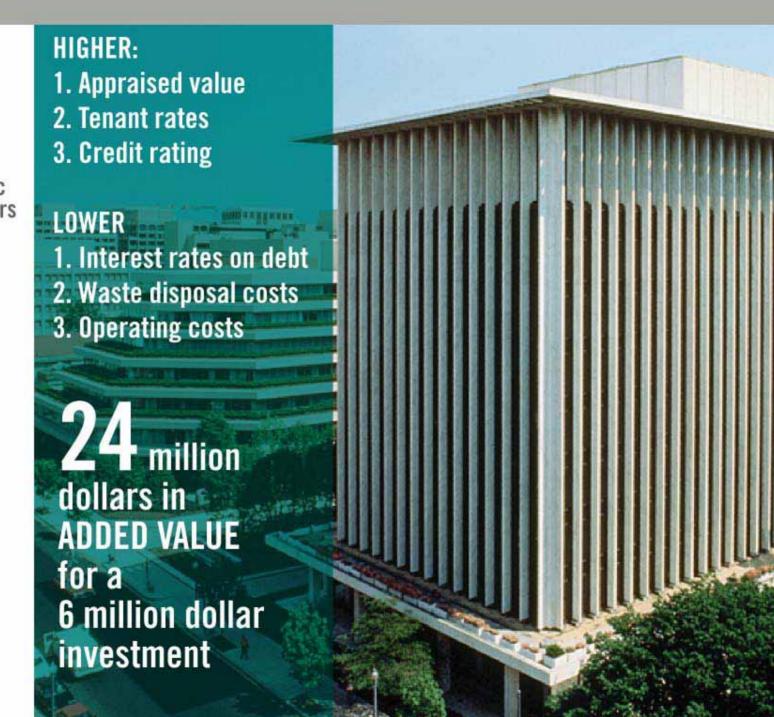
National Geographic Society Headquarters Complex Washington DC Commercial Office LEED-EB Silver Pilot Project





Case Study National Geographic Society

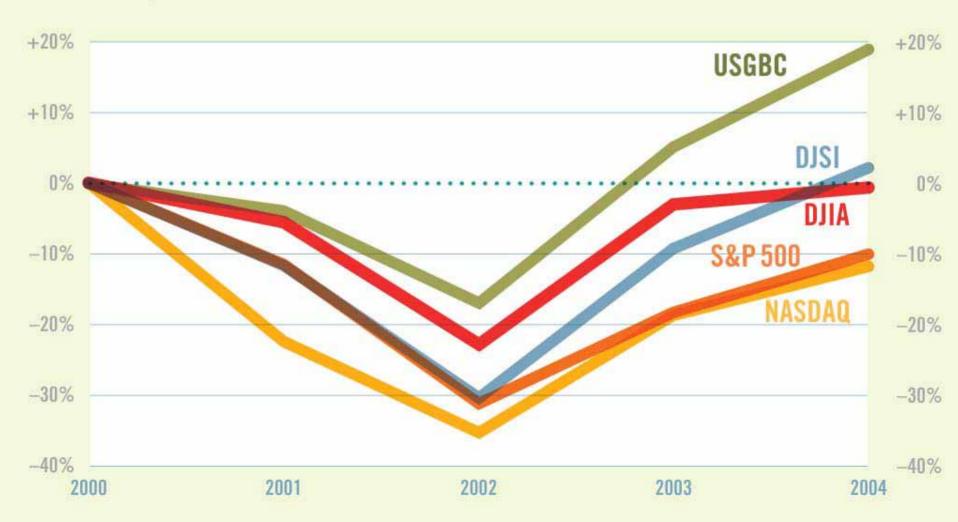
National Geographic Society Headquarters Complex Washington DC Commercial Office LEED-EB Silver Pilot Project





LEED Companies Financial Performance

Comparison of Publicly Traded USGBC Weighted by Market Cap vs. Market Averages



The Triple Bottom Line.





The Triple Bottom Line.

Reduced Environmental Impact.

Peak Efficiency.
Improved

Capitalization Rates.

Increased Marketability.

Higher Lease

Rates.

Improved Productivity.

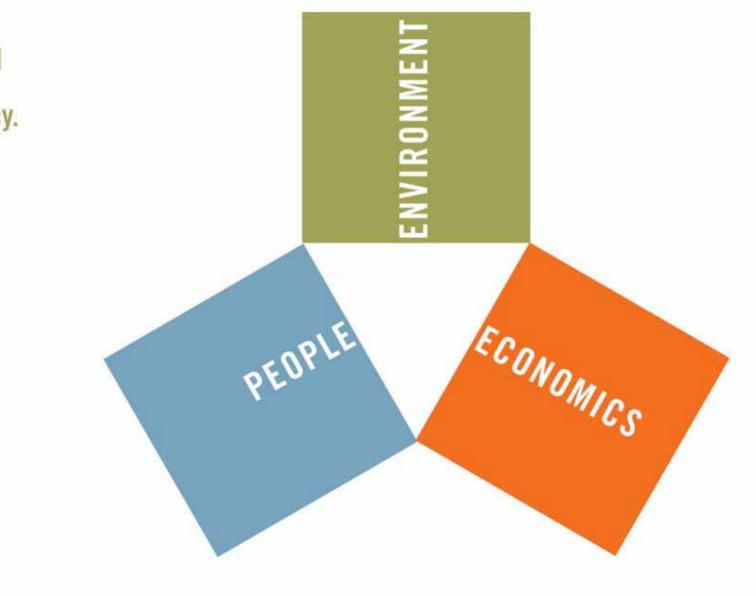
Reduced

Absenteeism.

Build Green.

Everyone

Profits.







Results of the California Study









VERVIEW RATIONALE

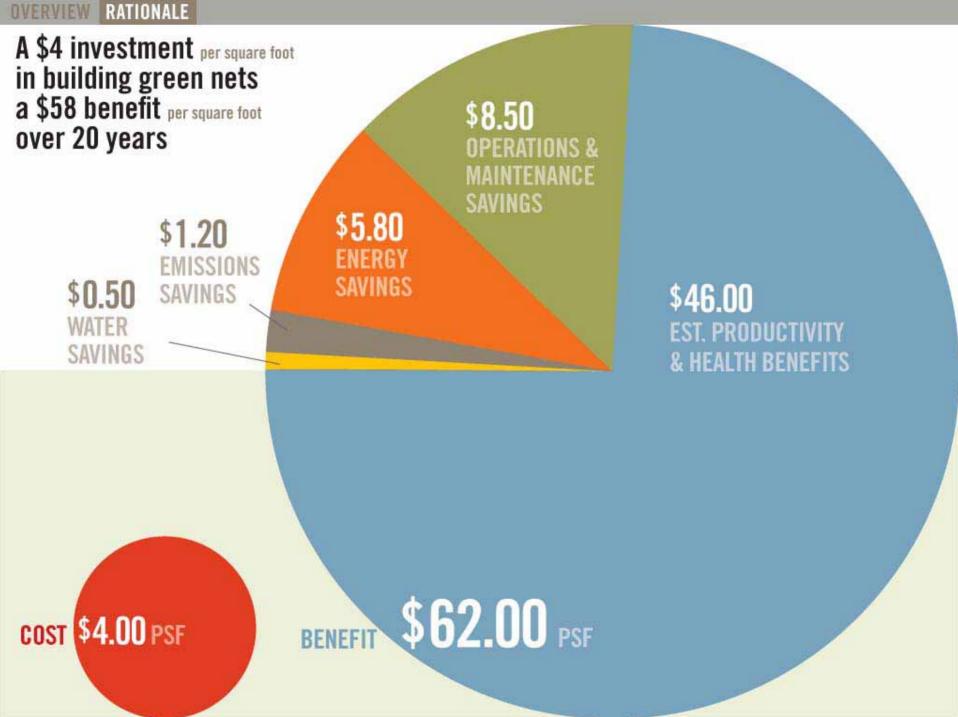
Results of the California Study:

Average Bottom Line Savings



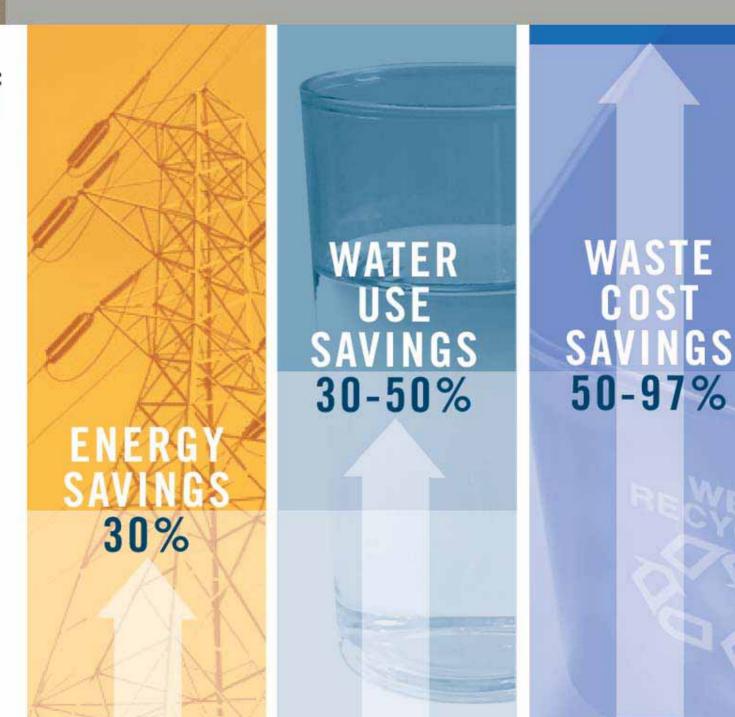


The William and Flora Hewlett Foundation Menlo Park CA LEED-NC Gold



OVERVIEW RATIONALE

Results of the California Study: Average Bottom Line Savings





Case Study Brewery Blocks, Block 4

Gerding/Elden
Development Co., LLC
Portland, Oregon
Commercial Office
LEED-CS
Pilot Project

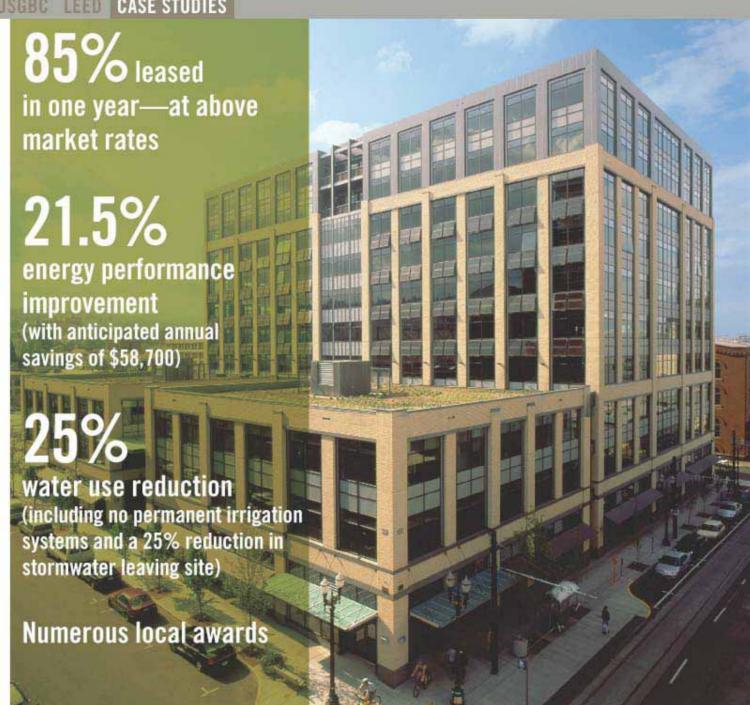




VERVIEW RATIONALE USGBC LEED CASE STUDIES

Case Study Brewery Blocks, Block 4

Gerding/Elden
Development Co., LLC
Portland, Oregon
Commercial Office
LEED-CS
Pilot Project





OVERVIEW RATIONALE USGBC LEED CASE STUDIES

Case Study Landmark Building

Harvard School
of Public Health
Boston MA
Office Renovation
LEED-CI
Pilot Project





Case Study Landmark Building

Harvard School
of Public Health
Boston MA
Office Renovation
LEED-CI
Pilot Project







Case Study Toyota Motor Sales

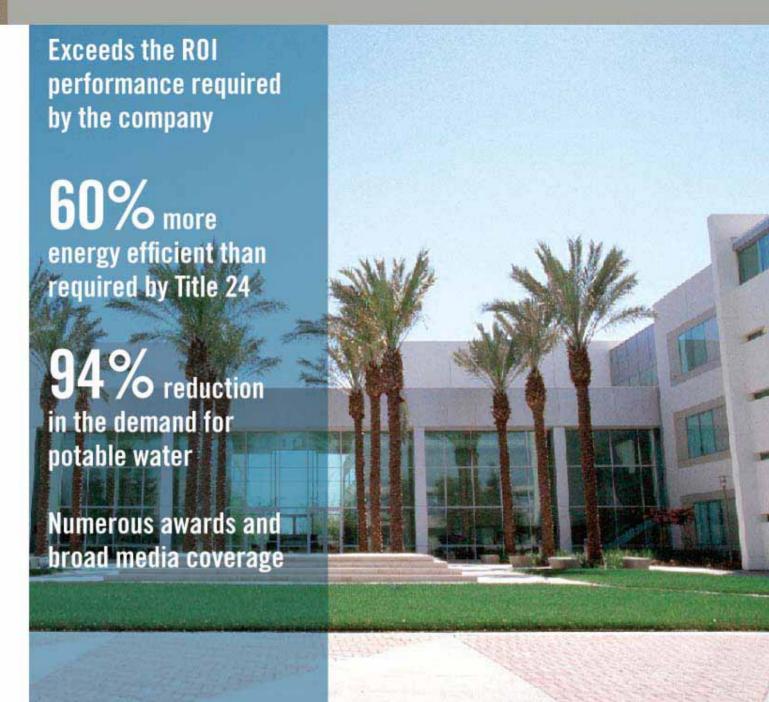
South Campus headquarters Torrance CA Commercial Office Renovation LEED-NC Gold





Case Study Toyota Motor Sales

South Campus headquarters Torrance CA Commercial Office Renovation LEED-NC Gold





OVERVIEW RATIONALE Additional constructions costs for **LEED-certified buildings** Average for offices and schools, based on 40 buildings Conventional Building Cost (100%) Additional Cost 6.8% **PLATINUM** 2.2% GOLD (9 buildings) SILVER (21 buildings) 1.9% CERTIFIED (8 buildings)

Additional benefits



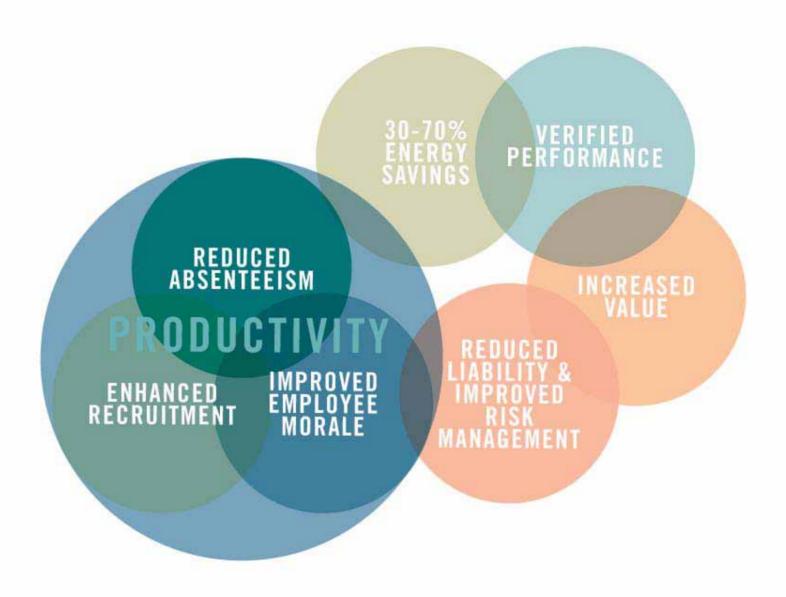


Improved Bottom Line.





Improved Bottom Line.









OVERVIEW RATIONALE

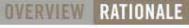




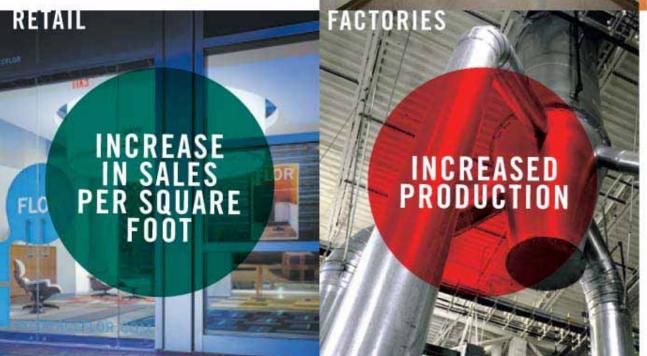
OVERVIEW RATIONALE







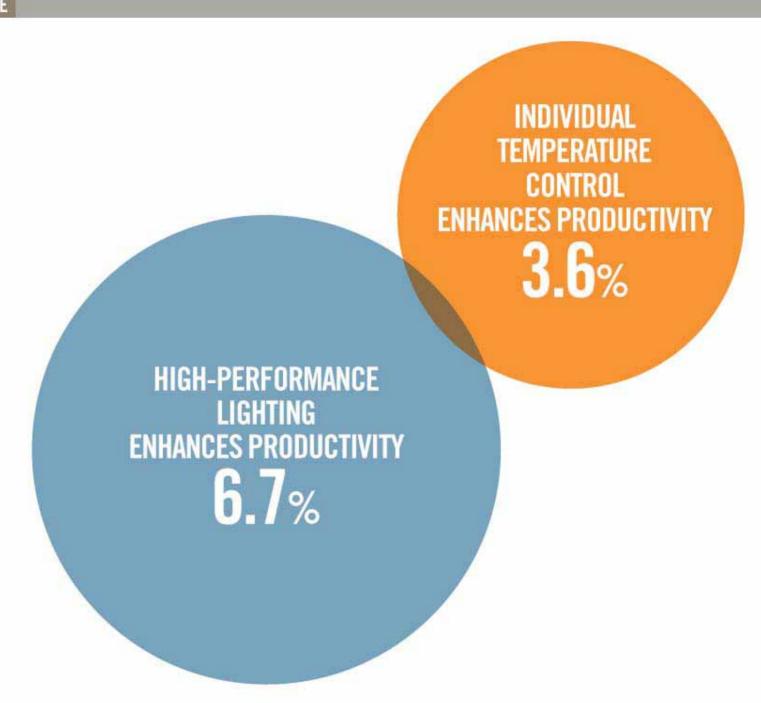






Source: Carnegie Mellon University Center for Building Performance, 2005



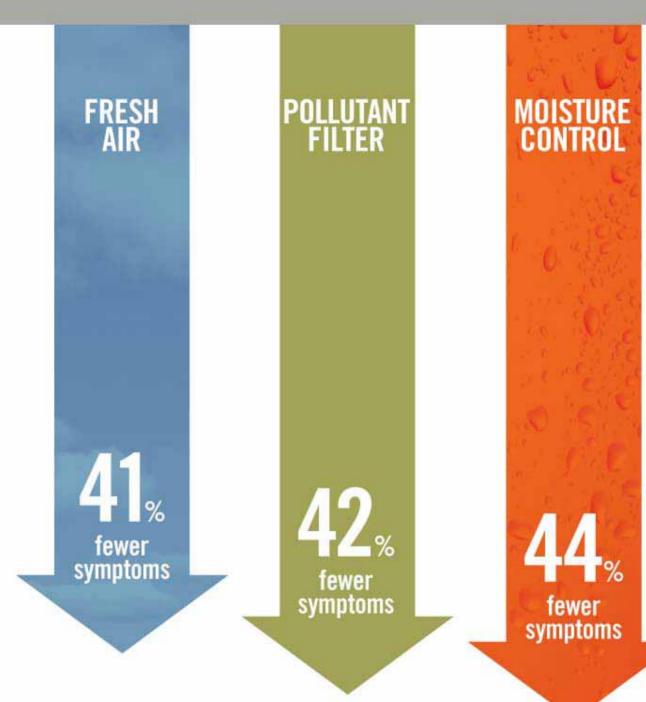


Health gains from improved Indoor Air Quality

As indicated by reduced symptoms for flu, asthma, allergies, respiratory infections, headaches, and colds.

Source: Carnegie Mellon University Center for Building Performance, 2005









Who are we?

USGBC is a coalition of the country's foremost leaders from across the building industry.

We promote buildings that are:

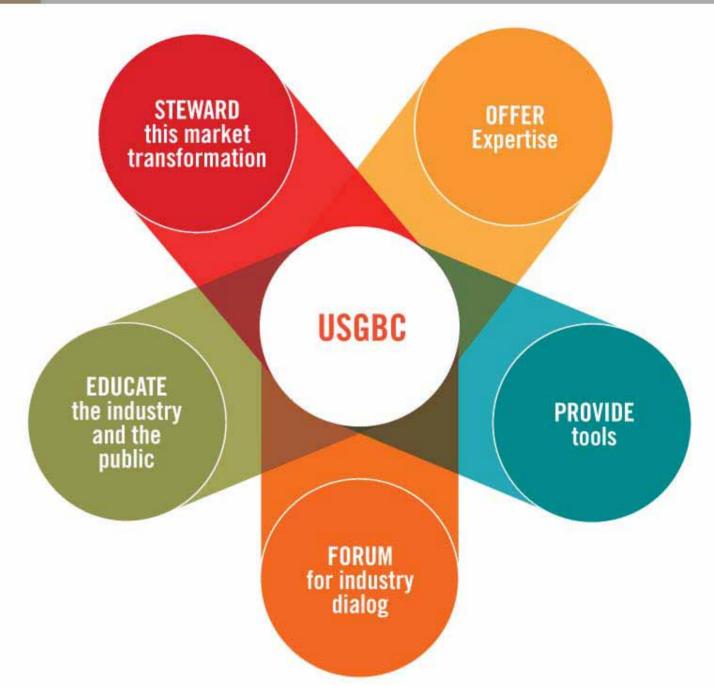
- 1. Environmentally Responsible
- 2. Economically Profitable
- 3. Healthy Places to Live and Work



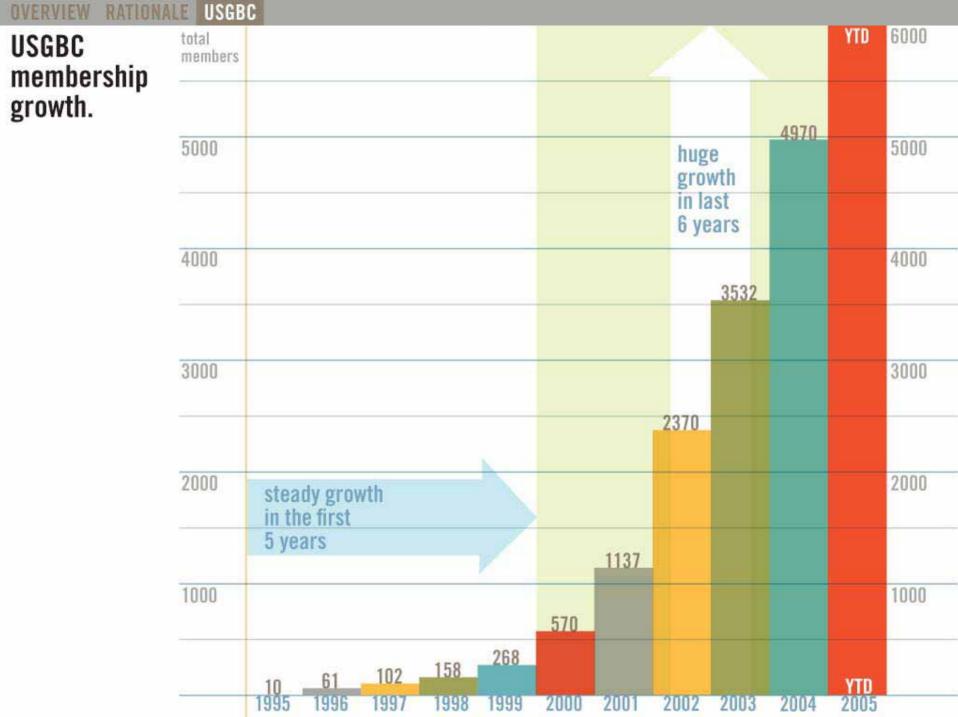
What is our role?



What is our role?







What is the LEED System?

LEADERSHIP in ENERGY and ENVIRONMENTAL DESIGN

A leading-edge system for certifying DESIGN & CONSTRUCTION of the greenest buildings in the world



What is the LEED System?

LEADERSHIP in ENERGY and ENVIRONMENTAL DESIGN

A leading-edge system for certifying DESIGN & CONSTRUCTION of the greenest buildings in the world

Scores are tallied for different aspects of efficiency and design in appropriate categories.

For instance, LEED-NC (New Construction) is assessed in detail for its:

- 1. Site Planning
- 2. Water Management
- 3. Energy Management
- 4. Material Use
- 5. Indoor Environmental Quality
- 6. Innovation & Design Process



Erosion and Sedimentation Control

Age of Building

Green Site and Building Exterior Management

High Development Density Building and Area Alternative Transportation

Reduced Site Disturbance

Stormwater Management

Heat Island Reduction

Light Pollution Reduction



Efficient Water Use

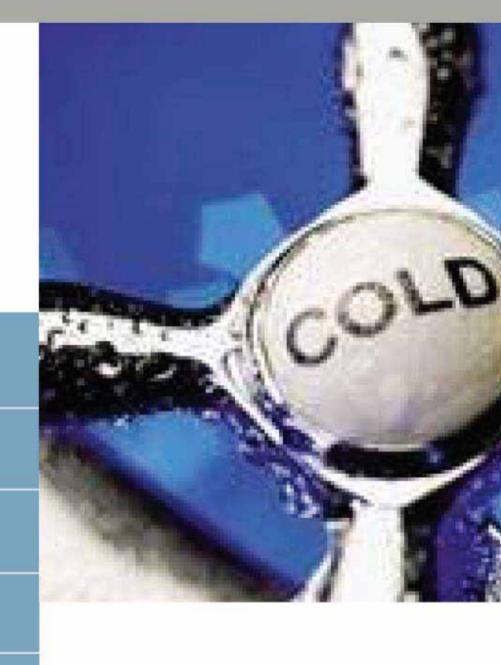


Discharge Water Compliance

Water Efficient Landscaping

Innovative Wastewater Technologies

Water Use Reduction





Efficient Water Use

Energy & Atmosphere Existing Building Commissioning

Minimum Energy Performance

Ozone Protection

Optimize Energy Performance

On/Off Site Renewable Energy

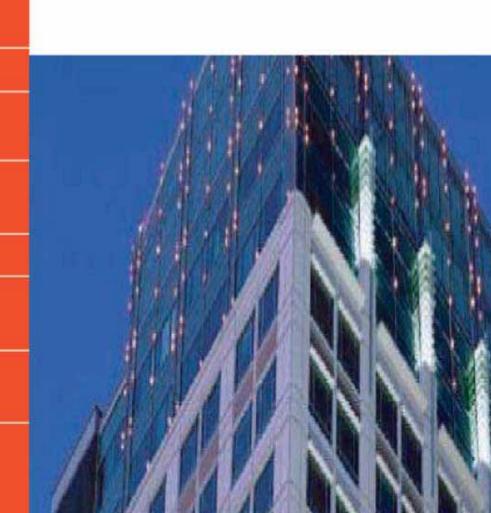
Building 0&M

Additional Ozone Protection

Performance Measurement

Documenting Cost Impacts





Efficient Water Use

Energy & Atmosphere

Materials & Resources



Toxic Material Source Reduction

Construction Waste Management

Optimized Use of Alternative Materials

Optimized Use of IAQ Compliant Products

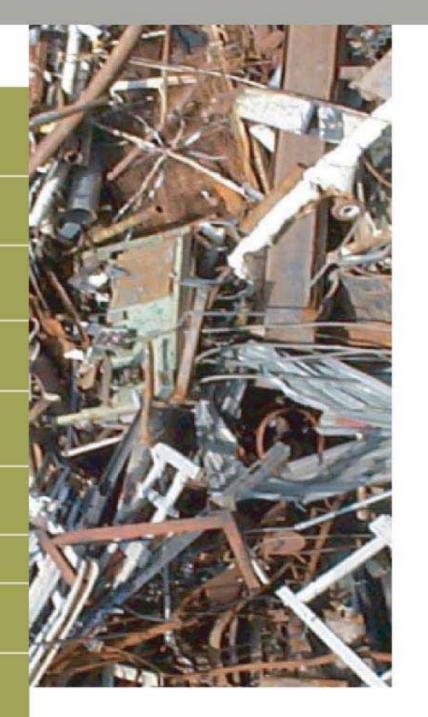
Sustainable Cleaning Products

Occupant Recycling

Additional Toxic Material Source Reduction

Recycled Content





OVERVIEW RATIONALE USGBC LEED

Sustainable Sites

Efficient Water Use

Energy & Atmosphere Materials &

Materials & Resources

Indoor Environmental Quality



Outside Air Exhaust

Tobacco Smoke Control

Asbestos/PCB Removal

Outdoor Air Delivery Monitoring

Increased Ventilation Construction

IAQ Management Plan

Documenting Productivity Impacts

Indoor Chemical & Pollutant Source Control

Controllability of Systems

Thermal Comfort

Daylighting & Views

Contemporary IAQ Practice

Green Cleaning



Efficient Water Use

Energy & Atmosphere

Materials & Resources

Indoor Environmental Quality

Innovation



Up to 5 additional credits

LAP: 1 Credit

Innovation: 1-4 Credits



What is the **LEED System?**

LEADERSHIP in ENERGY and ENVIRONMENTAL DESIGN

A leading-edge system for certifying CONSTRUCTION of the greenest buildings in the world

Scores are tallied for different aspects of efficiency and design in appropriate categories.

For instance, LEED-NC (New Construction) is assessed in detail for its:

- 1. Site Planning
- 2. Water Management
- 3. Energy Management
- 4. Material Use
- 5. Indoor **Environmental** Quality
- 6. Innovation & **Design Process**







What is the LEED System?

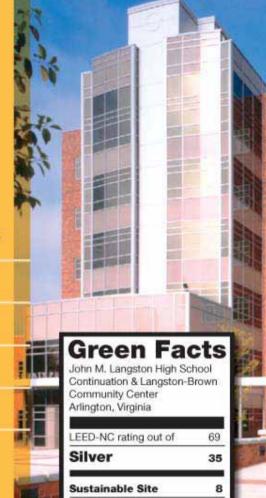
LEADERSHIP in ENERGY and ENVIRONMENTAL DESIGN

A leading-edge system for certifying DESIGN & CONSTRUCTION of the greenest buildings in the world

Scores are tallied for different aspects of efficiency and design in appropriate categories.

For instance, LEED-NC (New Construction) is assessed in detail for its:

- 1. Site Planning
- 2. Water Management
- 3. Energy Management
- 4. Material Use
- 5. Indoor Environmental Quality
- 6. Innovation & Design Process



Water Efficiency

Quality

Energy & Atmosphere

Materials & Resources

Indoor Environmental

Innovation & Design



Levels of LEED Ratings

Green Buildings worldwide are defined and certified with consensus-based standards.

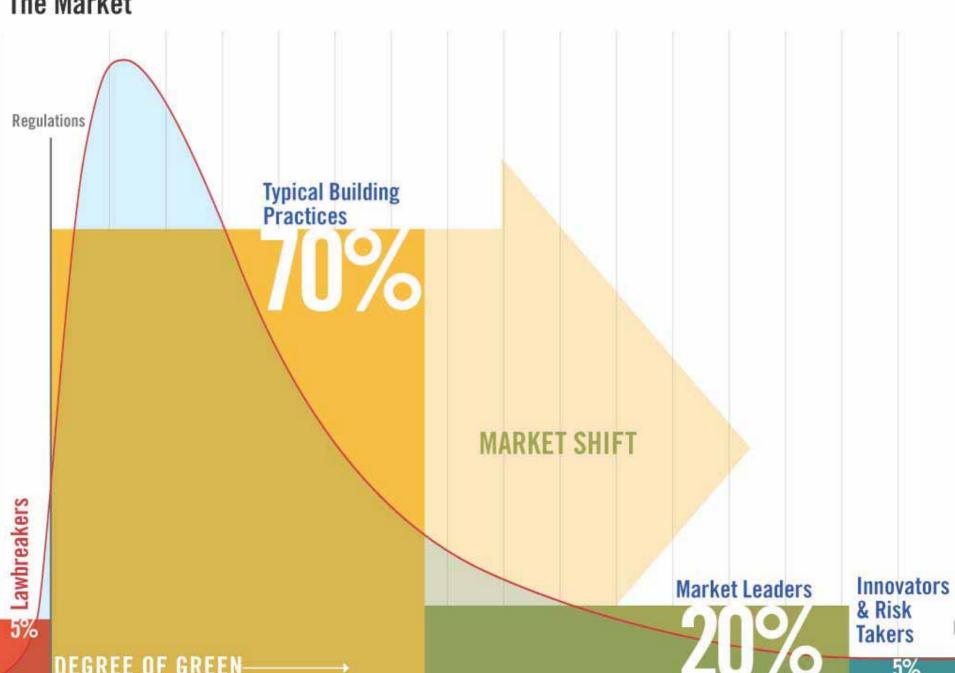
USGBC has four levels of LEED.

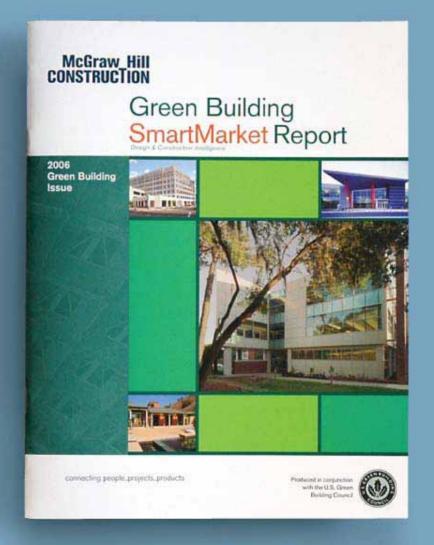






The Market

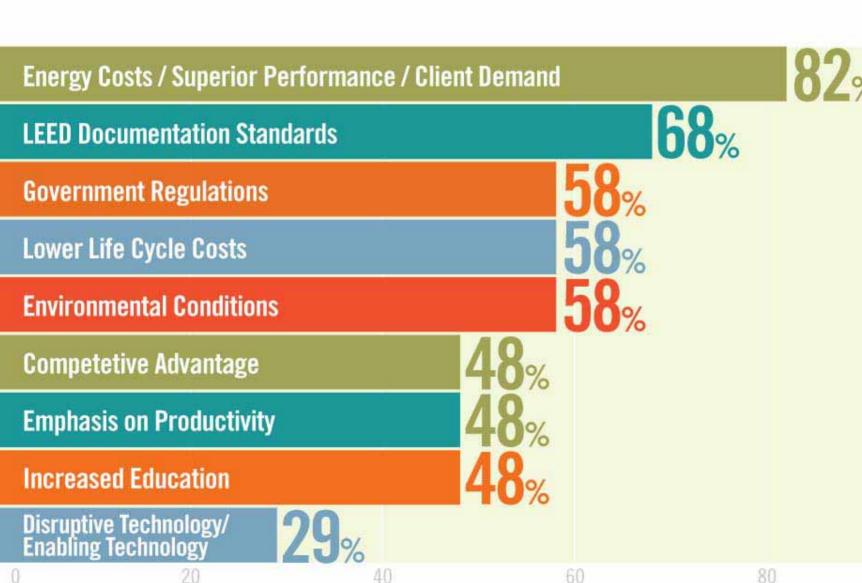


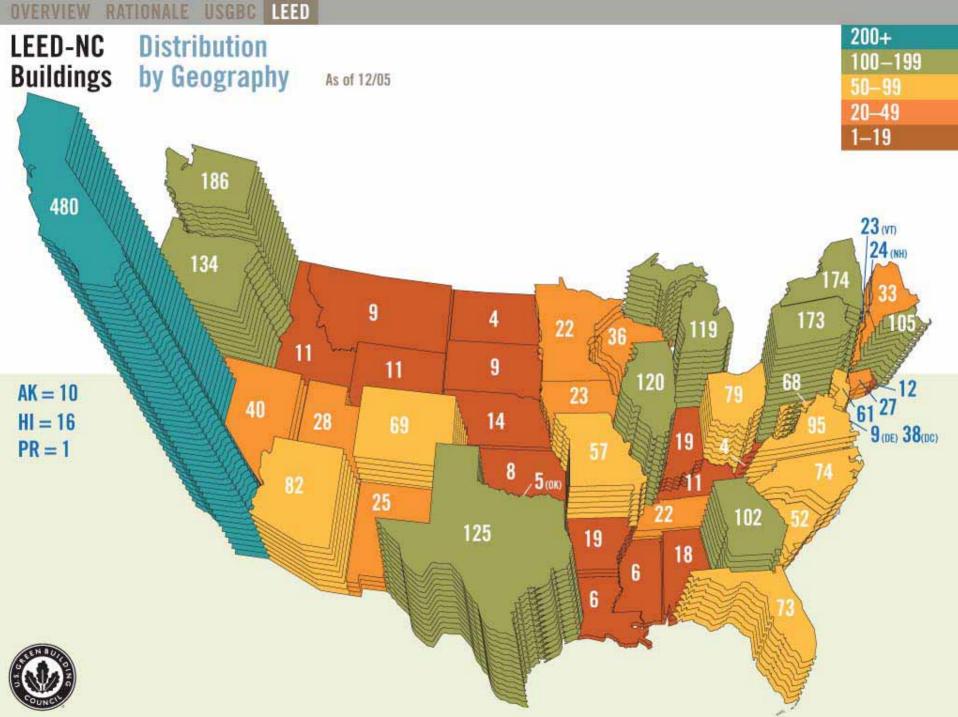


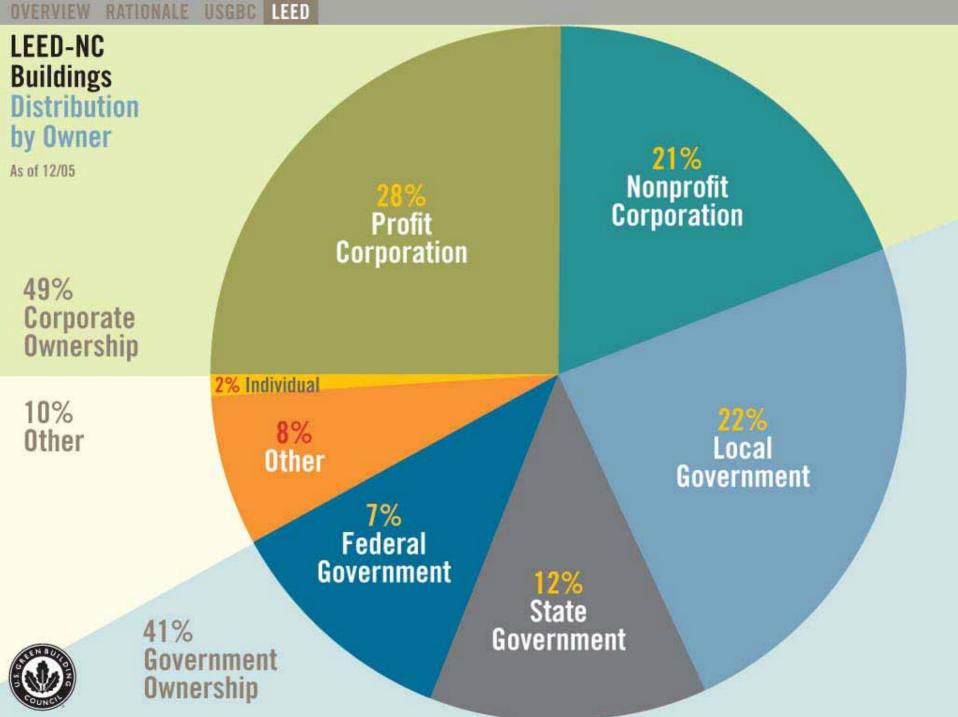


Triggers to accelerate green building

From the 2005 USGBC/McGraw-Hill Survey







REGISTERED

238 PROJECTS 39 MILLION SQ FT

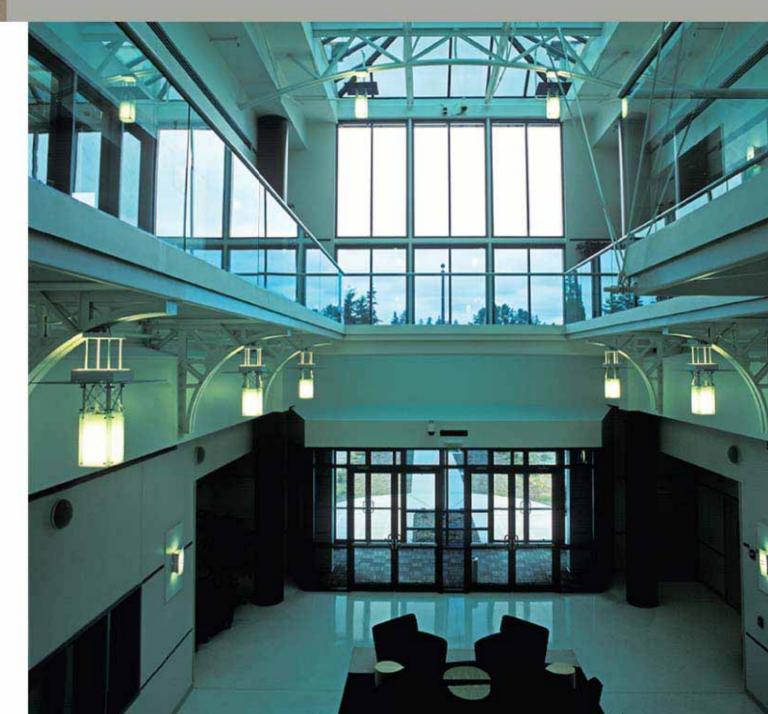
CERTIFIED

22 PROJECTS 1.7 MILLION SQ FT



Case Study FAA

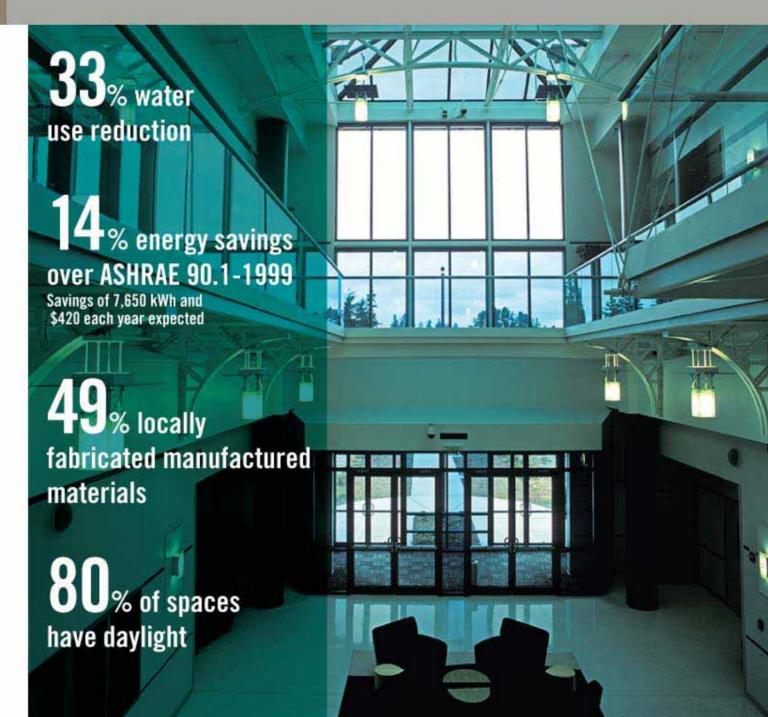
Seattle Terminal Radar Approach Control Facility Burien WA New construction LEED v2 Gold 52,000 sq ft





Case Study FAA

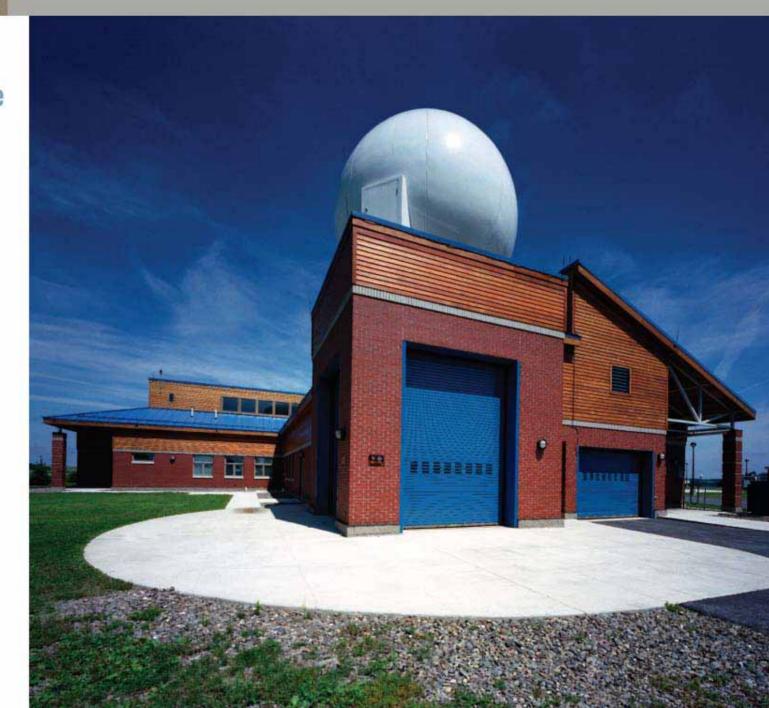
Seattle Terminal Radar Approach Control Facility Burien WA New construction LEED v2 Gold 52,000 sq ft





Case Study National Weather Service

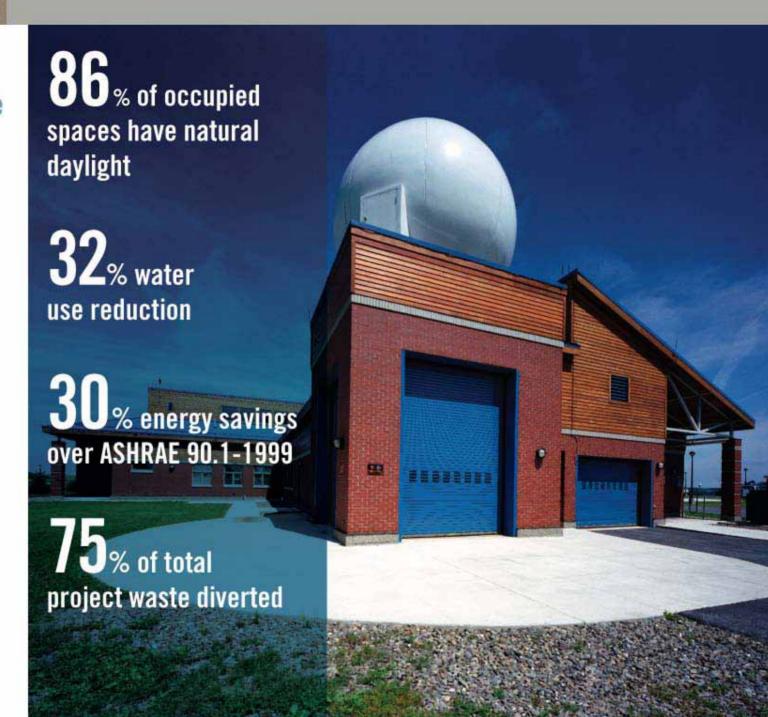
Weather
Forecast Office
Caribou ME
New construction
LEED v2 Silver
8,300 sq ft





Case Study National Weather Service

Weather
Forecast Office
Caribou ME
New construction
LEED v2 Silver
8,300 sq ft

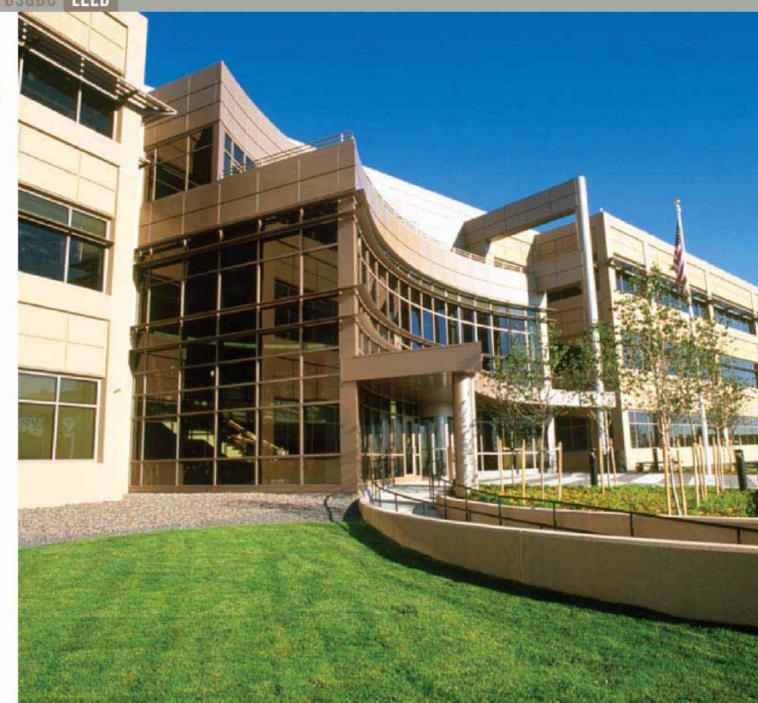




OVERVIEW RATIONALE USGBC LEED

Case Study U.S. Department of Transportation

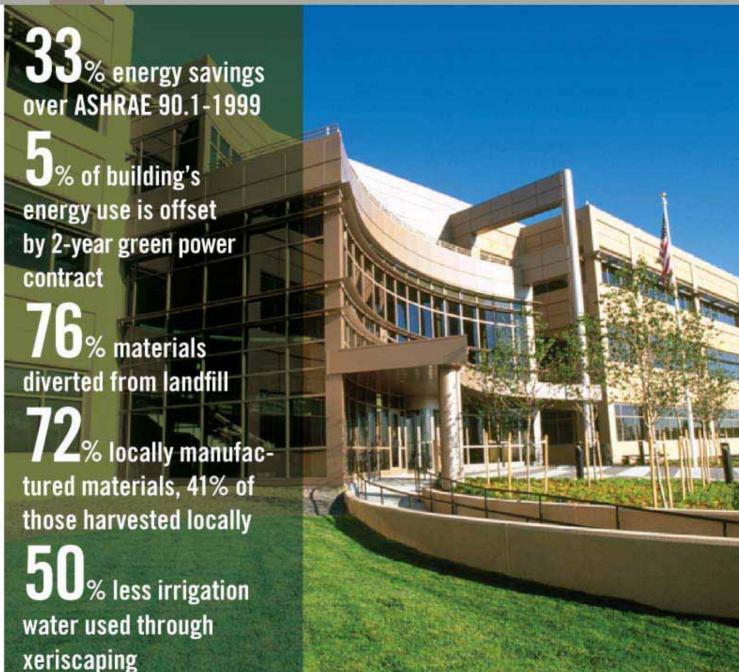
Lakewood CO New construction LEED v2 Silver 128,000 sq ft





Case Study U.S. Department of Transportation

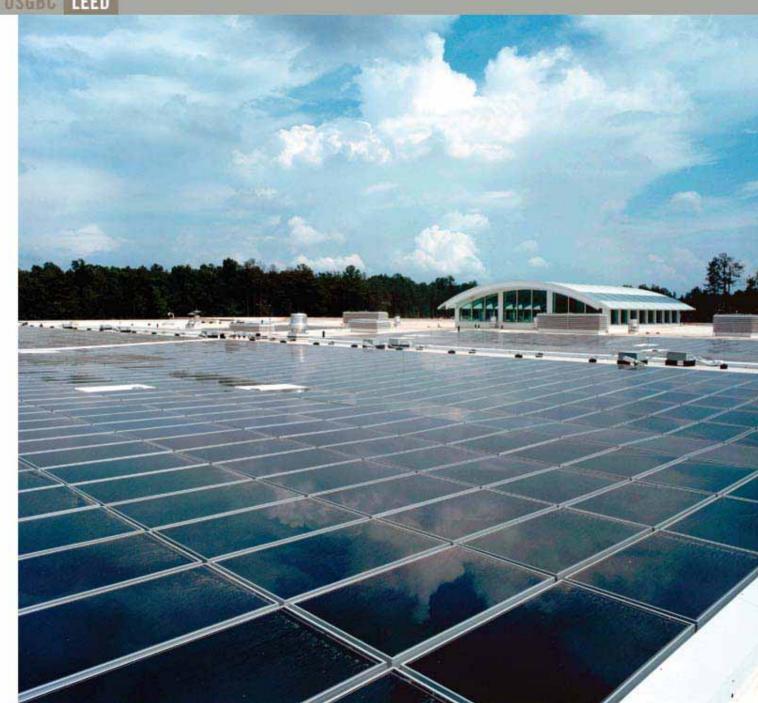
Lakewood CO
New construction
LEED v2 Silver
128,000 sq ft





Case Study EPA

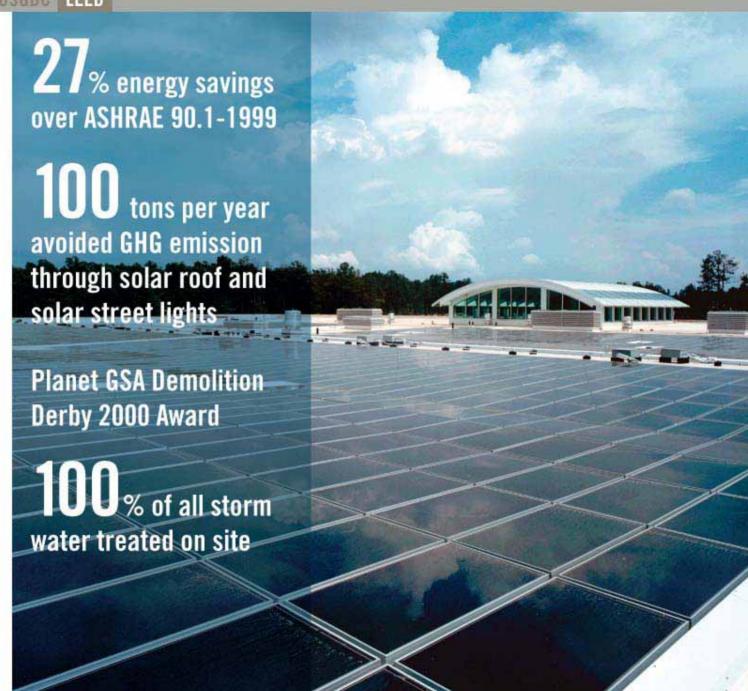
National Computer Center (NCC) Research Triangle Park NC New construction LEED v2 Silver 100,000 sq ft





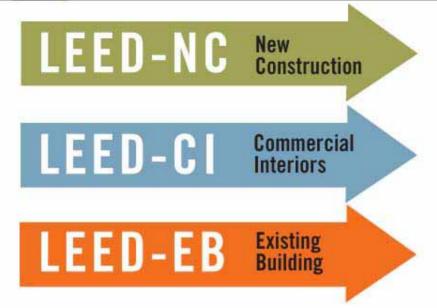
Case Study EPA

National Computer Center (NCC) Research Triangle Park NC New construction LEED v2 Silver 100,000 sq ft





Categories of LEED Ratings





Categories of LEED Ratings

LEED-NC New Construction

LEED-C Commercial Interiors

LEED-EB Existing Building

FUTURE PROGRAMS

LEED-CS Core & Shell

LEED-HOMES

LEED-ND Neighborhood Development

LEED

Application Guides Healthcare, Laboratories, Schools, Retail, Multi-building Campuses Multi-family Residential



Taking LEED to the Next Level

November 2007

Bio-regionally Weighted Credits

LCA as Basis for LEED Credits

Smart Credits

Energy

Improved Accounting for:

Ecological Sites

Transport Implications

IEQ

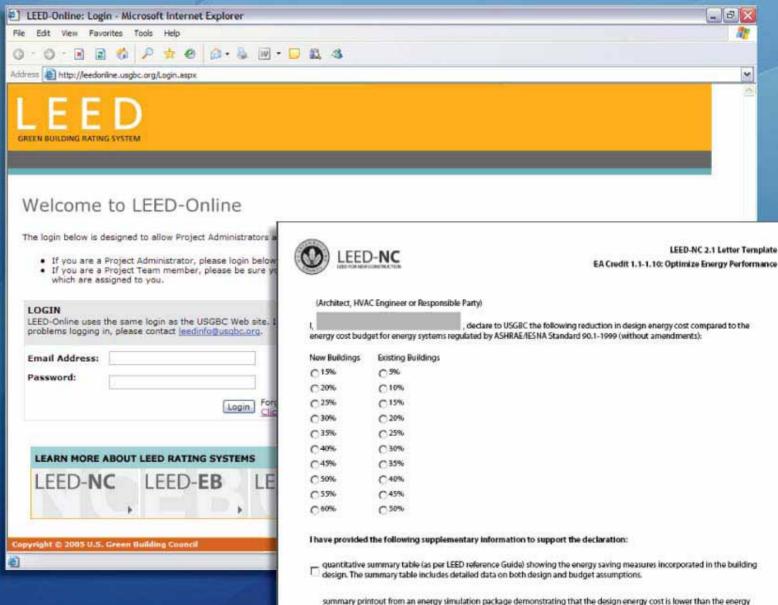
Health





OVERVIEW RATIONALE USGBC LEED

LEED: Streamlined, refined, and online.



cost budget as defined in ASUPAC/ICSNA 50.1.1008. Section 11. The summary printput contains all the information requested.

Separate Design from Construction Option

Streamlined Submittal

Streamlined Audit and Review

Ongoing Feedback and Market Research

On-line Workspace



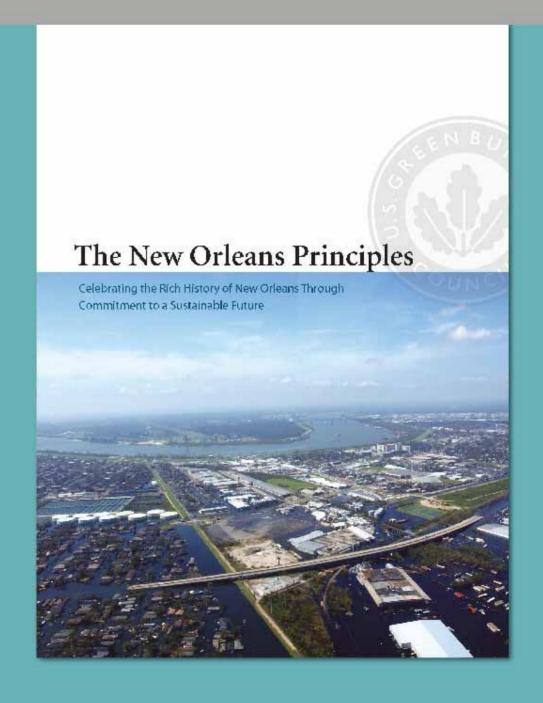
OVERVIEW RATIONALE USGBC

Outcome:

10 guiding principles

50 specific policy recommendations and actions

Thousands of volunteer hours by USGBC Chapter volunteers





OVERVIEW RATIONALE USGBC LEED CONCLUSION

